

Converting Colors

XYZ(56.0660, 30.8398, 68.7521)

Have a look what the booklet for
XYZ(56.0660, 30.8398, 68.7521)
contains.

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Color

**XYZ(56.0176, 30.7762,
68.6336)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47D9
RGB	255, 71, 217
RGB Percent	100%, 28%, 85%
CMY	0.0000, 0.7215, 0.1490
CMYK	0.00, 0.72, 0.15, 0.00
HSL	312°, 100%, 64%
HSV	312°, 72%, 100%
XYZ	56.0176, 30.7762, 68.6336
YIQ	142.6600, 62.7980, 84.4140

Conversions

Conversions Part 2

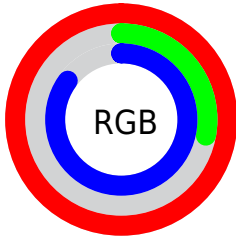
Format	Color
RYB	255, 71, 217
Decimal	16730073
CIELab	62.32, 81.63, -36.45
CIElCh	62, 89.401, 335.937
Yxy	30.7762, 0.3604, 0.1980
Android (android.graphics.Color)	4294920153 (0xFFFF47D9)
YUV	142.6600, 36.6496, 98.5222
Hunter-Lab	55.4763, 83.1582, -34.5184

Details

The XYZ color **56.0176, 30.7762, 68.6336** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.1201, 73.9643, 26.5801**, and the grayscale version is **25.8162, 27.1607, 29.5779**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **28.7697, 14.0780, 35.3834** is the 20% darker color. If you saturate the color by 10%, you get **54.0481, 27.9160, 64.6512**, and if you desaturate by 10%, it is **58.6902, 35.0074, 72.9588**.

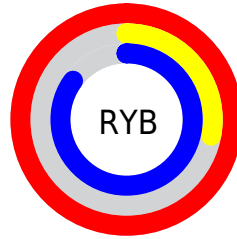
Distribution



Red (100%)

Green (28%)

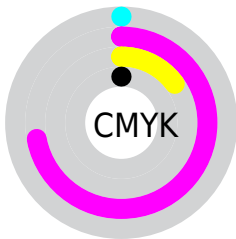
Blue (85%)



Red (100%)

Yellow (28%)

Blue (85%)

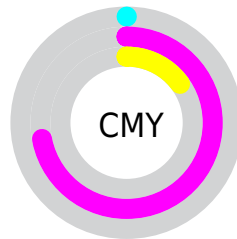


Cyan (0%)

Magenta (72%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0176, 30.7762, 68.6336 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.0176, 30.7762, 68.6336 by changing the saturation by 10% instead.


 56.0176, 30.7762,
68.6336


 56.0176, 30.7762,
68.6336


399.8318,
305.5059, 474.3965


 40.4541, 20.4285,
49.9435


 98.1700, 60.8875,
118.9209


 28.0786, 12.7069,
34.9976


 125.4895, 81.4200,
151.3551

 18.5256, 7.2270,
23.3775


 157.4585,
106.1161, 189.2077

 11.4300, 3.6045,
14.6646

 194.4422,
135.3603, 232.8974

 6.4263, 1.4549,
8.4403

236.8061,
169.5370, 282.8425

 3.1491, 0.2566,
4.2862

284.9154,

 1.2331, 0.0000,

209.0306, 339.4617

1.7836

339.1355,
254.2254, 403.1736

■ 0.1322, 0.0000,
0.4171

■ 0.0000, 0.0000,
0.0000

■ 56.0176, 30.7762,
68.6336

■ 56.0176, 30.7762,
68.6336

■ 54.0481, 27.9160,
64.6512

■ 58.6902, 35.0074,
72.9588

■ 52.6878, 26.2397,
60.9785

■ 62.1397, 40.7572,
77.6516

■ 51.9404, 25.5401,
58.2773

■ 66.4327, 48.1583,
82.7353

■ 71.6280, 57.3281,
88.2305

■ 77.7790, 68.3731,
94.1560

■ 84.9349, 81.3915,
100.5291

■ 93.1416, 96.4745,
107.3660

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1213, 30.7762, 121.4492



56.0176, 30.7762, 68.6336



58.9909, 30.7762, 27.0861

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.0176, 30.7762, 68.6336



26.9132, 30.7762, 1.3343



14.1815, 30.7762, 89.7177

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.0176, 30.7762, 68.6336



41.1201, 73.9643, 26.5801

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.6905, 30.7762, 40.8770



56.0176, 30.7762, 68.6336



17.6223, 30.7762, 3.3464

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.0176, 30.7762, 68.6336



39.7878, 30.7762, 2.0725



12.7491, 30.7762, 13.0386



20.7623, 30.7762, 138.4285

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.0176, 30.7762, 68.6336



55.5236, 30.7762, 12.0148



12.7491, 30.7762, 13.0386



12.9347, 30.7762, 71.8657

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.0183, 30.7776, 68.6342



77.8806, 68.5569, 94.2500



26.4649, 14.9039, 96.0896



16.2909, 13.9903, 19.8197



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.0183, 30.7776, 68.6342



53.3191, 26.9685, 62.8345



47.2732, 27.2795, 22.5827



18.6225, 18.2323, 21.8951



27.1959, 13.3677, 30.7458



2.6865, 1.3170, 3.1967

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.0183, 30.7776, 68.6342



53.3191, 26.9685, 62.8345



48.7616, 77.0209, 66.8195



18.6225, 18.2323, 21.8951



27.1959, 13.3677, 30.7458



2.6865, 1.3170, 3.1967

Previews

White Background



This preview shows how the XYZ color 56.0176, 30.7762, 68.6336 looks on a white background.

Color Contrast Check

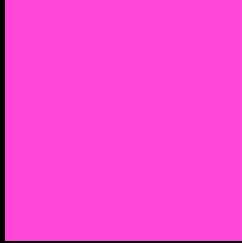
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 56.0176, 30.7762, 68.6336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

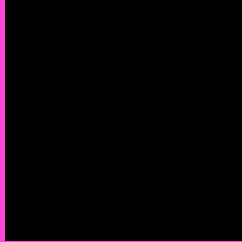
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0176, 30.7762, 68.6336

Background



This preview shows how black text looks on a background with the XYZ color 56.0176, 30.7762, 68.6336.



This preview shows how white text looks on a background with the XYZ color 56.0176, 30.7762,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.0176, 30.7762, 68.6336

Protanopia

34.3488, 31.3429, 98.8471

Deuteranopia

31.7195, 31.0195, 62.7081



Tritanopia

45.6324, 30.6855, 18.8470

Trichromacy



Original Color

56.0176, 30.7762, 68.6336



Protanomaly

36.8917, 27.1547, 86.5161



Deuteranomaly

36.8303, 27.7929, 64.3962



Tritanomaly

48.4863, 30.1704, 32.1221

Monochromacy



Original Color

56.0176, 30.7762, 68.6336



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

33.3842, 25.8152, 41.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0176, 30.7762, 68.6336 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 71, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 71, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 217) }
```

Border

The CSS property to change the border of an element to XYZ 56.0176, 30.7762, 68.6336 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 71, 217) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 71, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 71, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0176, 30.7762, 68.6336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 71,  
217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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